ABSTRACT OF THE DISCLOSURE

According to one embodiment, a dynamic server directory (DSD) (**300**) may include a number of relational tables (**302** to **314**) having a number of entries. Entries of selected tables (**304** to **306**) may include information for a server in a distributed computing system.

5 Such information may include a server identification, host machine identification, and server status information. Entries of another table (**308**) may include host route information. According to one embodiment, dynamic server directory agents (DSDAs), residing on the same machine as a client process, may cache tables of a DSD (**300**). For a given client request, a client may query a local DSDA to determine which server(s) may service the client

10 request. The local DSDA may then return the route to one or more servers that are available to service the request. Server information in a DSD (**300**) may be changed in response to changes in server status. Such changes may then be forwarded to DSDAs. Clients may subscribe with the DSDA to receive notification of changes in server and route status. The client may then act in accordance with the change in status.

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